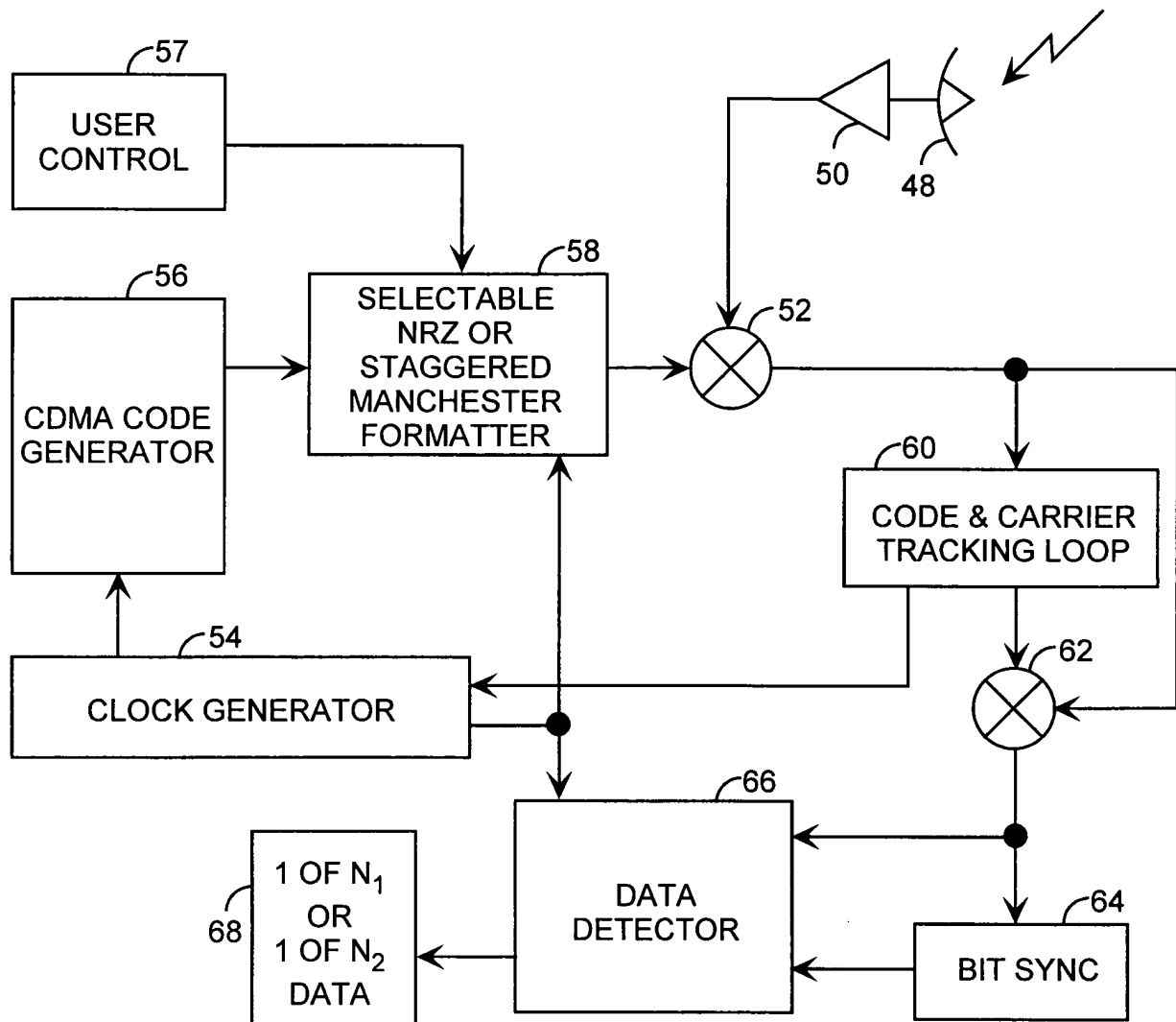


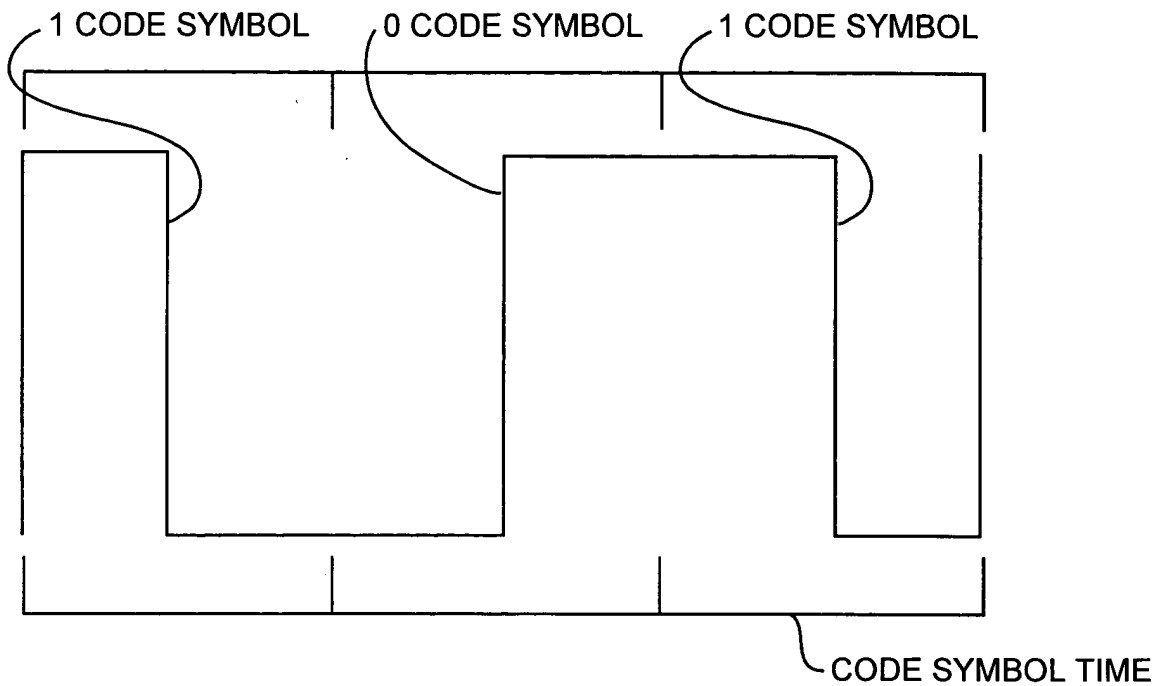
DUAL SPECTRUM CDMA TRANSMITTER

FIG. 1



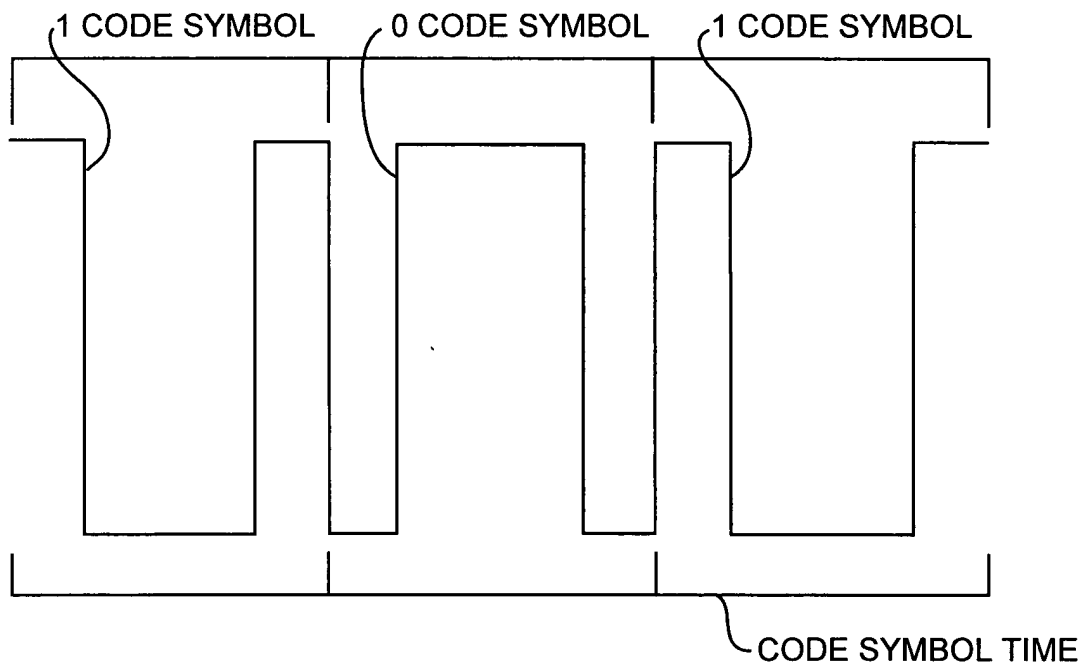
DUAL SPECTRUM CDMA RECEIVER

FIG. 2



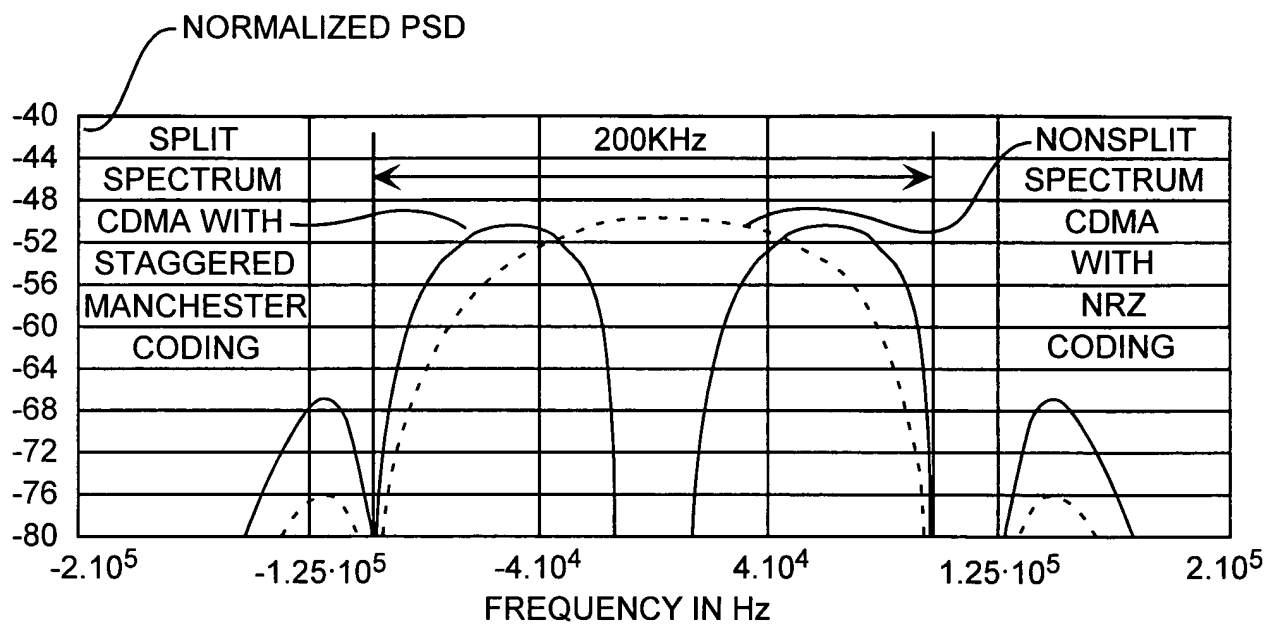
WAVEFORM COMPONENTS OF MANCHESTER
FORMATTED SIGNAL

FIG. 3



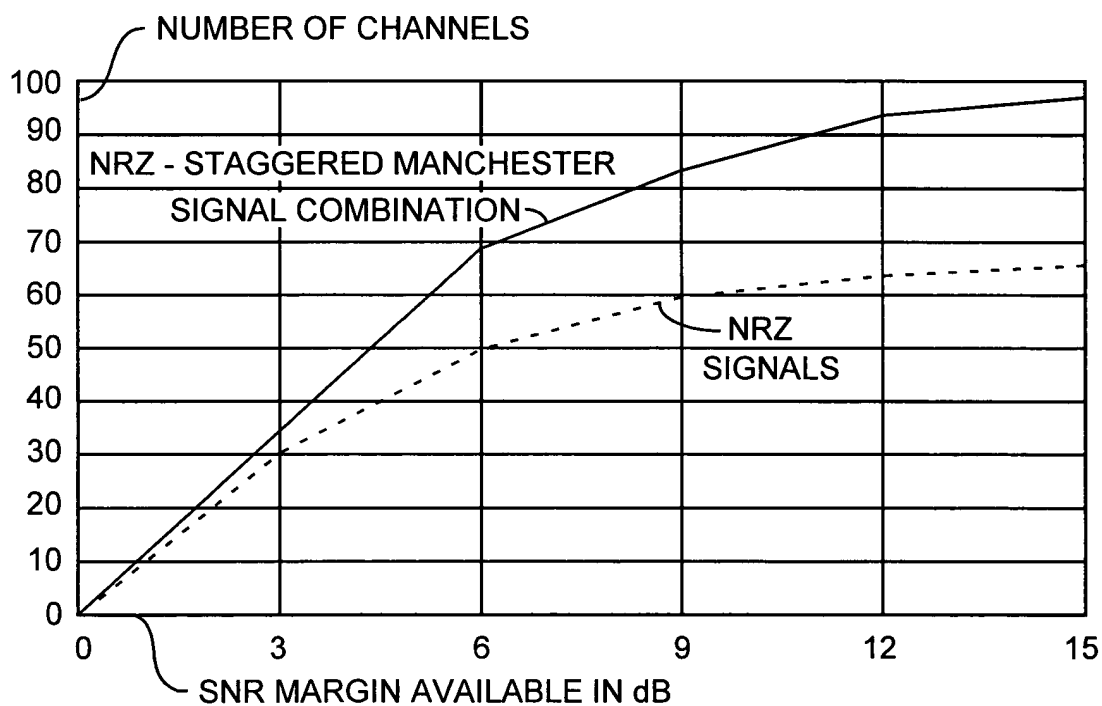
WAVEFORM COMPONENTS OF STAGGERED
MANCHESTER FORMATTED SIGNAL

FIG. 4



POWER SPECTRAL DENSITIES OF NRZ
AND MANCHESTER WAVEFORMS

FIG. 5



CDMA CAPACITY VERSUS SNR MARGIN

FIG. 6